PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent'CD - 103 - PCT	s file reference	FOR FURTHER ACTION as	see Form PCT/ISA/220 well as, where applicable, item 5 below.
nternational applica	ion No.	International filing date (day/month/year,	(Earliest) Priority Date (day/month/year)
PCT/EP2004/0	52035	03/09/2004	05/09/2003
Applicant CROPDESIGN N	.v.		
This International S	earch Report consists	of a total of sheets.	Authority and is transmitted to the applicant
It is	also accompanied by	a copy of each prior art document cited in	this report.
Basis of the re a. With regard language in	to the language, the	international search was carried out on the less otherwise indicated under this item.	basis of the international application in the
	this Authority (Au	ne 23.1(0)).	anslation of the international application furnished to
b. X Wit	h regard to any nucle	otide and/or amino acid sequence disclos	sed in the international application, see Box No. I.
2. Ce	tain claims were fou	nd unsearchable (See Box II).	
3. X Un	ity of invention is lac	king (see Box III).	
4. With regard to t	he title,		
X the	text is approved as su	bmitted by the applicant.	
the	text has been establis	hed by this Authority to read as follows:	·
			_
5. With regard to t	he abstract.		
		bmitted by the applicant.	
the	text has been establis y, within one month fro	hed, according to Rule 38.2(b), by this Auth om the date of mailing of this international se	ority as it appears in Box No. IV. The applicant earch report, submit comments to this Authority.
6. With regard to t	he drawings,		
•		ublished with the abstract is Figure No	Fig. 1
	as suggested by t		
X	as selected by thi	s Authority, because the applicant failed to s	suggest a figure.
		s Authority, because this figure better charac	• •
	o of the figures is to be	e published with the abstract.	

International application No.

PCT/EP2004/052035

Box	No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)	
1.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:	
	a. type of material X a sequence listing X table(s) related to the sequence listing	
	b. format of material X in written format X in computer readable form	
	c. time of filing/furnishing X contained in the international application as filed X filed together with the international application in computer readable form furnished subsequently to this Authority for the purpose of search	
2.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
3.	Additional comments:	

International Application No PCT/EP2004/052035

A. CLASS IPC 7	ification of subject matter C12N15/82 C12Q1/48 C12N9/	12 A01H5/00	
According to	o International Patent Classification (IPC) or to both national classifi	cation and IPC	
B. FIELDS	SEARCHED		
Minimum do IPC 7	cumentation searched (classification system followed by classifica C12N C12Q A01H	tion symbols)	
	tion searched other than minimum documentation to the extent that		
ŀ	ata base consulted during the international search (name of data base))
	ternal, BIOSIS, WPI Data, PAJ, Sequ	uence Search	
	ENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.
X	WO 98/41642 A (VLAAMS INTERUNIVE INSTITUUT VOOR BIOTECHNOLOGIE; I SE) 24 September 1998 (1998-09-2 page 14, last paragraph example 15 claim 16	NZE, DIRK;	1-23
X Furth	er documents are listed in the continuation of box C.	X Patent family members are listed in	annex.
"A" docume consider the consideration that consider the consideration that consideration the consideration that consideration the consideration that consideration the consideration that cons	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or	"T" later document published after the interpretation or priority date and not in conflict with the cited to understand the principle or the invention "X" document of particular relevance; the classification of the cannot be considered novel or cannot be involve an inventive step when the document of particular relevance; the classification of the considered to involve an inventive document is combined with one or more ments, such combination being obvious in the art. "&" document member of the same patent failure of mailing of the international search.	he application but on underlying the aimed invention be considered to ument is taken alone aimed invention entive step when the e other such docusto a person skilled
Name and m	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Holtorf, S	

International Application No PCT/EP2004/052035

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	<u> </u>
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PORCEDDU ANDREA ET AL: "A plant-specific cyclin-dependent kinase is involved in the control of G2/M progression in plants" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 276, no. 39, 28 September 2001 (2001-09-28), pages 36354-36360, XP002316406 ISSN: 0021-9258 the whole document page 36357 figure 4 figure 5 page 36358, left-hand column, paragraph 1; figure 6 page 36359, left-hand column, paragraph 4 page 36359, right-hand column, last paragraph	16-20,23
X .	YOSHIZUMI TAKESHI ET AL: "An Arabidopsis cell cycle-dependent kinase-related gene, CDC2b, plays a role in regulating seedling growth in darkness" PLANT CELL, vol. 11, no. 10, October 1999 (1999-10), pages 1883-1895, XP002316407 ISSN: 1040-4651 the whole document figure 2 figure 3 page 1888	16-20,23
X	WO 00/56905 A (CROPDESIGN N.V; DE VEYLDER, LIEVEN; BOUDOLF, VERONIQUE, KATELIJNE, CEC) 28 September 2000 (2000-09-28) claims 5-7 example 7	1-23
X	WO 02/16655 A (THE SCRIPPS RESEARCH INSTITUTE; SYNGENTA PARTICIPATIONS AG; HARPER, JE) 28 February 2002 (2002-02-28) the whole document	16
X	HASHIMOTO J ET AL: "Isolation and characterization of cDNA clones encoding cdc2 homologues from Oryza sativa: a functional homologue and cognate variants" MOLECULAR AND GENERAL GENETICS, SPRINGER VERLAG, BERLIN, DE, vol. 233, no. 1/2, May 1992 (1992-05), pages 10-16, XP002113196 ISSN: 0026-8925 the whole document	

 $(x,y)\in \mathbb{R}^{n}$

International Application No
PCT/EP2004/052035

C.(Continuation) DOCUMENTS CONSID		
Category ° Citation of document, with ind	cation, where appropriate, of the relevant passages	Relevant to claim No.
thaliana mRNA (CDKB1;2 gene XP002316408 retrieved from EM_PR0:ATH2979	(2001-03-09), "Arabidopsis for cyclin dependent kinase " " EBI accession no.	
& DATABASE TRI EBI.AC.UK; Pur CDK 1 May 1999 ROUNSLEY, S.D. thalianan -Pu CDK" retrieved from WWW.EBI.AC.UK	EMBL DATABASE [Online] Lative cell division control (1999-05-01), L. ET AL.: "Arabidopsis Lative cell division control EBI.AC.UK accession no. Lision no. Q9ZVI4	
thaliana Arath cyclin-depende XP002316409 retrieved from EM PRO:AB04727	(2001-07-17), "Arabidopsis ;CDKB2;1 mRNA for ent kinase B2, complete cds."	
kinases and ce Nexus" PLANT CELL, AN PHYSIOLOGISTS,	L: "Cyclin-dependent ell division in plants: The ERICAN SOCIETY OF PLANT ROCKVILLE, MD, US, April 1999 (1999-04), XP002234257	·-
ORGANIZATION OPROTEIN KINASE FEBS LETTERS, vol. 304, no. XP002268186 ISSN: 0014-579	L: "EXON-INTRON OF THE ARABIDOPSIS-THALIANA GENES CDC2A AND CDC2B" 1, 1992, pages 73-77,	

International Application No
PCT/EP2004/052035

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JOUBES J ET AL: "CDK-RELATED PROTEIN KINASES IN PLANTS" PLANT MOLECULAR BIOLOGY, NIJHOFF PUBLISHERS, DORDRECHT, NL, vol. 43, no. 5/6, August 2000 (2000-08), pages 607-620, XP001037063 ISSN: 0167-4412 the whole document figure 2; table 1 page 71, right-hand column, last paragraph - page 72, right-hand column	
A	HIRAYAMA T ET AL: "IDENTIFICATION OF TWO CELL-CYCLE-CONTROLLING CDC2 GENE HOMOLOGS IN ARABIDOPSIS-THALIANA" GENE (AMSTERDAM), vol. 105, no. 2, 1991, pages 159-166, XP001042260 ISSN: 0378-1119 the whole document	
A	MAGYAR Z ET AL: "Cell cycle phase specificity of putative cyclin-dependent kinase variants in synchronized alfalfa cells" PLANT CELL, AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ROCKVILLE, MD, US, vol. 9, no. 9, February 1997 (1997-02), pages 223-235, XP002113325 ISSN: 1040-4651 cited in the application the whole document	
P,X	WO 2004/035798 A (CROPDESIGN NV [BE]; INZE DIRK [BE]; DE VEYLDER LIEVEN [BE]; VLIEGHE KO) 29 April 2004 (2004-04-29) claim 2 page 86; table 4	1-23

Information on patent family members

International Application No
PCT/EP2004/052035

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9841642	A	24-09-1998	AU AU CA WO EP JP US US	744834 B2 6730198 A 2284136 A1 9841642 A1 0972060 A1 2001516217 T 2003014777 A1 6465718 B1 2002138868 A1	07-03-2002 12-10-1998 24-09-1998 24-09-1998 19-01-2000 25-09-2001 16-01-2003 15-10-2002 26-09-2002
WO 0056905	Α	28-09-2000	AU CA WO EP	4396000 A 2367476 A1 0056905 A2 1163341 A2	09-10-2000 28-09-2000 28-09-2000 19-12-2001
WO 0216655	Α	28-02-2002	AU CA EP WO US	8681101 A 2420555 A1 1313867 A2 0216655 A2 2002160378 A1	04-03-2002 28-02-2002 28-05-2003 28-02-2002 31-10-2002
WO 2004035798	Α	29-04-2004	AU WO	2003298095 A1 2004035798 A2	04-05-2004 29-04-2004